What is claimed is: 1 2 3 A device for supplying a process chamber with fluid media having at least 1. 4 one delivery line (17), that has a supply opening (18), and with sealing elements (15, 19) that are associated with the supply opening (18), 5 6 characterized by tensioning mechanisms (30, 31) for holding the delivery line 7 (17) against a receptacle (15) of the process chamber (10), said receptacle being 8 associated with the supply opening (18). 9 10 2. The device as recited in Claim 1, 11 wherein the tensioning mechanisms include at least one spring, in particular a 12 helical spring (30, 31). 13 14 3. The device as recited in Claim 1 or 2, wherein the tensioning force is capable of being generated by ambient pressure. 15 16 The device as recited in one of the preceding claims, 17. 4. 18 characterized by a guideway (24) for the delivery line (17) in the tensioning 19 direction. 20 21 5. The device as recited in Claim 3 or 4, 22 wherein the delivery line (17), at the end furthest from the supply opening (18), is 23 interconnected in a gas-tight and axially displaceable manner, via fastening 24 elements (16) for gas-tight fastening, to a receiving chamber (12) that encloses 25 the process chamber (10). 26 27 The device as recited in Claim 5, 6. 28 wherein the furthest end is fastened to a central body (22) that is interconnected 29 with a mounting flange (16) by a bellows (23). 30 31 7. The device as recited in Claim 6,

- 1 wherein the central body (22) is displaceably guided on at least one of the bolts
- 2 (24) that extends out of the mounting flange (16), and
- 3 wherein the spring (30, 31) is located between a spring hanger (26, 28; 27, 29)
- 4 located on the bolt (24) and the central body (22).

5

- 6 8. A device as recited in one of the preceding claims,
- 7 characterized by adjusting mechanisms (26, 27) for adjusting the tensioning
- 8 force.

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- 10 9. The device as recited in Claim 8,
- wherein the bolt is a threaded bolt (24), and the spring hanger is a nut (26, 27)
- that is located on the bolt (24).

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- 14 10. The device as recited in one of the preceding claims,
- wherein the sealing element is a press fit (15, 19).

16

- 17 11. The device as recited in Claim 10,
- wherein the press fit (15, 19) has a conical, frusto-conical or semi-spherical end
- 19 face (19) of the delivery line (17) that surrounds the supply opening (18), and
- wherein the receptacle has a conical, frusto-conical or semi-spherical cavity (15)
- 21 that is associated with the end face (19).

22

- 23 12. The device as recited in one of the preceding claims,
- 24 wherein the delivery line (17) is composed of a temperature-resistant and
- 25 corrosion-resistant material.

26

- 27 13. The device as recited in Claim 12,
- wherein the delivery line (17) is composed of graphite.

29

- 30 14. The device as recited in one of the preceding claims,
- 31 characterized by an extension (20) for the delivery line (17).

- 1 15. The device as recited in one of the preceding claims,
- 2 characterized by blocking elements (53, 54) for the delivery line (17).

3

- 4 16. The device as recited in Claim 15,
- 5 wherein the blocking elements (53, 54) block the fluid medium at the supply
- 6 opening (18).

7

- 8 17. The device as recited in Claim 15 or 16,
- 9 wherein the blocking element is a needle valve (53, 54).

10

- 11 18. The device as recited in Claim 17,
- wherein a valve needle (48) of the needle valve has a conical, spherical or semi-
- 13 spherical tip (53), and
- wherein a conical, spherical or semi-spherical valve seat (54) is located in the
- region of the supply opening (18), facing the valve needle (48), and associated
- 16 with said valve needle.

17

- 18 19. The device as recited in Claim 17 or 18,
- wherein actuating elements (40) for the needle valve (53, 54) are located on the
- 20 end of the delivery line (17) that is furthest from the supply opening (18).

21

- 22 20. The device as recited in Claim 19,
- wherein the actuating elements (40) are fastened to the central body (22).

24

- 25 21. The device as recited in one of the preceding Claims 18 through 20,
- wherein the valve needle (48) is preloaded against the valve seat (15) with a
- 27 predetermined closing force.

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- 29 22. The device as recited in Claim 21,
- wherein the weight of the valve needle (48) serves as closing force.

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- 1 23. The device as recited in one of the Claims 18 through 22,
- 2 characterized by a tension element that is interconnected with the valve needle
- 3 (46, 47).

4

- 5 24. The device as recited in Claim 23,
- 6 wherein it is possible to transmit a tensioning force, but not a compressive force,
- 7 using the tension element (46, 47).

8

- 9 25. The device as recited in Claim 24,
- wherein the tension element has a first tension part (46) that is connected with
- the actuating element (40), and a second tension part (47) that is connected with
- the valve needle (48), and the two said tension parts are interconnected in a
- 13 limited area (51) in a manner that allows them to be displaced toward each other.

14

- 15 26. The device as recited in Claim 25,
- wherein the first tension part (46) and the second tension part (47) are
- 17 interconnected by an elongated hole (51) and a driver (52).

18

- 19 27. The device as recited in one of the Claims 23 through 26,
- wherein the tension element (46, 47) is interconnected with one end of a bellows
- 21 (34), the other end of which is interconnected with the central body (22), and
- wherein the one end is capable of being displaced by the actuating element (40)
- in the longitudinal direction of the tension element (46, 47).

24

- 25 28. An application of a device as recited in one of the preceding claims for
- 26 manufacturing products, in particular metal alloys or for growing crystals, for
- 27 manufacturing lenses, prisms, light-conducting rods, optical windows and optical
- components for DUV photolithography, stepping motors, excimer lasers, wafers,
- 29 computer chips as well as integrated circuits and electronic devices that contain
- 30 such circuits and chips.

31

1 29. A process device, including 2 a tank with a tank wall, 3 a process container—with a container wall—located in the tank, 4 at least one pipe—that extends through an opening in the wall of the tank—for supplying or withdrawing a fluid medium into or out of the 5 6 process container; the pipe having a pipe axis and a first bore hole in a 7 first axial pipe end adjacent to the process container; the process 8 container having a second bore hole in its container wall, the second 9 bore hole being diametrically opposed to the first bore hole, 10 a sealing element that seals off the pipe, in a fluid-tight manner, from the opening in the tank wall, 11

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in the direction of the pipe axis, and
a tensile force-producing device for producing a tensile force that

a guideway element that moveably guides the pipe relative to the tank

presses the pipe in the direction of its pipe axis against the wall of the process container.